

ABSTRACT OF SANITARY REPORTS.

VOL. X.

WASHINGTON, D. C., MAY 24, 1895.

No. 21.

TREASURY DEPARTMENT, *United States Marine-Hospital Service*.—Published in accordance with act of Congress approved February 15, 1893.

UNITED STATES.

[Reports to the Supervising Surgeon-General M. H. S.]

Smallpox in Nogales, Ariz.

NOGALES, ARIZ., May 16, 1895.

SIR: I have the honor to report 2 new cases of smallpox in Nogales, Ariz.

Very respectfully,

W. F. CHENOWETH,
Sanitary Inspector, M. H. S.

Vaccination of River Boatmen on the Ohio and Mississippi Rivers.

PITTSBURG, PA., May 15, 1895.

SIR: I have the honor to report that the inspections, and, where necessary, the vaccinations, of seamen on all craft on the river at this port are now progressing rapidly. The low water necessitates the discharge of numerous crews just at this time, but an anticipated rise will give an opportunity for their inspection just as the vessels clear for ports down stream. There is a general disposition to facilitate the work, and coercion has been needed only in a few cases.

Very respectfully,

EUGENE WASDIN,
Passed Assistant Surgeon, M. H. S.

Smallpox at Staunton, Va.—Request of Local Board of Health for an Expert to Confirm Diagnosis.

STAUNTON, VA., May 17, 1895.

At a meeting of the city council this morning the following resolutions were unanimously adopted:

Resolved, That in accordance with the wishes of the citizens of Staunton as expressed in a petition this day presented to the council, the city physician, and board of health of Staunton are hereby requested to invite one of the Government experts to visit Staunton at once and make diagnosis of the disease prevailing in a section of Staunton, and being treated as smallpox.

In accordance with the above resolution, we, the board of health of the city of Staunton, Va., request that an expert in the matter of diagnosis of smallpox be sent to our city for the purpose of settling the question as to whether smallpox exists here.

H. H. HENNEL,
J. B. CATLETT,
Board of Health.

J. B. CATLETT, *City Physician.*

SUPERVISING SURGEON-GENERAL M. H. S., *Washington, D. C.*

WASHINGTON, D. C., *May 17, 1895.*

Passed Assistant Surgeon M. J. Rosenau, M. H. S., leaves for Staunton 11 to-night. Has had large experience in smallpox hospitals in Antwerp during epidemic 1892 and 1893, and in detecting the disease among immigrants embarking for the United States.

WALTER WYMAN,
Supervising Surgeon-General M. H. S.

Dr. J. B. CATLETT,
City Physician, Staunton, Va.

Report on the Smallpox Outbreak at Staunton, Va.

WASHINGTON, D. C., *May 22, 1895.*

SIR: I have the honor to report the following observations in compliance with instructions to proceed to Staunton, Va., and decide upon the character of the epidemic disease prevailing in that locality.

The disease is smallpox. The sudden onset with vomiting, the appearance of shotted papules on the fourth day, turning to umbilicated vesicles and finally pustules, and the characteristic pitting of some cases left no doubt as to the diagnosis. The epidemic is moderate in severity considering the large number of unvaccinated subjects the disease has found, the death rate to date being only 6.7 per cent—a total of 59 cases and 4 deaths.

The origin of the outbreak is traced to a negro, Henry Johnson, who came to Staunton from Cincinnati about the middle of April.

Johnson himself is a fugitive from justice, and can not be found, but his traveling companion gave me this account. They went together to Cincinnati in March to join the circus. While there Johnson lived in Griffin street, near the levee, and near a house quarantined with smallpox. He left Cincinnati about April 15 for Hinton, W. Va., where he stayed a few days before proceeding to Staunton. The day he left Hinton his face was covered with an eruption.

At Staunton he lived with the poorest of the negro colony in a squalid portion of the town. Ten days after Johnson's arrival other cases appeared in the neighborhood. The disease spread until 52 cases broke out within an eighth of a mile of where Johnson lived.

This infected district is a small triangular area, in a hollow, at the western end of town. It contains about thirty wooden hovels in which live some 250 negroes.

There are four other foci, two in the town proper, and two in the county, all clearly traceable to the infected district.

Of the total of 59 cases only 3 have occurred among white people, and those 3 in a poverty-stricken family of 4 living in the same infected triangle. Vigorous measures have been instituted, which, if energetically carried out, will soon put an end to the epidemic.

The board of supervisors passed an ordinance making vaccination compulsory in the entire county, and directing the city physician, Dr. Catlett, to put the measure into effect.

The city was divided into ten districts, and a physician given each district with instructions to make a house-to-house inspection and vaccinate generally.

Land was purchased just inside the city limits and a hospital and detention camp started for the sick and suspects, whither they will be moved as soon as possible. In the meantime each infected focus is guarded and carefully quarantined.

In concluding this report, I desire to cordially thank his honor, A. H. Fultz, mayor of the city, Dr. J. B. Catlett, city physician, and Dr. H. H. Henkell, of the board of health, for many courtesies shown me during my short visit.

Respectfully, yours,

M. J. ROSENAU,
Passed Assistant Surgeon, M. H. S.

Smallpox in Wisconsin.

MILWAUKEE, May 20, 1895.

SIR: I have the honor to report that since my last communication, dated May 6, the following concerning smallpox in this State, has been received at this office: Oshkosh, Winnebago County, 1 case; Cedarburg, Ozaukee County, 1 case; Milwaukee, Milwaukee County, 11 cases, 1 death; cases on hand in Milwaukee at present time, in hospital, 3; in homes, 16; total, 19.

Very truly, yours,

U. O. B. WINGATE,
Secretary State Board of Health.

Report of Immigration at New York for the Week ended May 18, 1895.

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
Port of New York, May 20, 1895.

Number of Alien Immigrants who Arrived at this Port during the Week ended May 18, 1895; also Names of Vessels and Ports from which they Arrived.

Date.	Vessel.	Where from.	No. of immigrants from Russia.	No. of immigrants.
1895.				
May 13	Steamship Burgundia	Marseilles and Naples.....		727
Do...	Steamship Spaarndam.....	Rotterdam.....	59	450
Do...	Steamship Habsburg.....	Bremen	344	751
Do...	Steamship Markomannia.....	Hamburg		176
May 14	Steamship Friesland.....	Antwerp	9	469
Do...	Steamship Berlin.....	Southampton	14	414
May 15	Steamship Circassia.....	Glasgow	18	348
Do...	Steamship Georgia.....	Stettin, Helsingborg, etc.....		486
Do...	Steamship Majestic.....	Liverpool and Queenstown ..	2	982
May 16	Steamship Lahn.....	Bremen	31	566
Do...	Steamship Werra.....	Genoa		859
May 17	Steamship Normannia.....	Hamburg	14	149
Do...	Steamship Thingvalla.....	Copenhagen, etc.....		334
Do...	Steamship Dania.....	Hamburg	407	512
Do...	Steamship Wittekind.....	Bremen	372	896
May 18	Steamship New York.....	Southampton	3	375
Do...	Steamship Etruria.....	Liverpool and Queenstown ..	5	543
Do...	Steamship City of Rome.....	Glasgow	5	532
	Total		1,283	9,569

Dr. J. H. SENNER,
Commissioner of Immigration.

*Report of Immigration at Philadelphia for the Week ended May 18, 1895.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
*Port of Philadelphia, May 18, 1895.**Number of Alien Immigrants who Arrived at this Port during the Week ended May 18, 1895; also Name of Vessel and Port from which it Arrived.*

Date.	Vessel.	Where from.	No. of immigrants from Russia.	No. of immigrants.
1895. May 16	Steamship Pennsylvania.....	Antwerp.....	26	351

JNO. J. S. RODGERS,
*Commissioner of Immigration.**Smallpox in the United States as reported to the Supervising Surgeon-General Marine-Hospital Service, February 1 to May 22, 1895.*

Places.	Date.	Cases.	Deaths.	Remarks.
Arizona:				
Nogales.....	Apr. 25-May 2.....	39	2	
Arkansas:				
Brinkley.....	Mar. 16.....	4		
Camden.....	Mar. 24.....	1		
Donaldson.....	Mar. 16.....	4		
Garland County (Hot Springs).....	Feb. 1-April 20.....	192	44	
Hollywood.....	Feb. 28-Mar. 8.....	1	1	
Malvern.....	Feb. 1-Mar. 16.....	4		
California:				
Angel Island Quarantine, San Francisco.....	Apr. 20.....	2		Taken from steamship Coptic.
Connecticut:				
New Haven.....	Apr. 3.....	1		
District of Columbia:				
Washington.....	Oct. 18-Feb. 6.....	47	9	
	Feb. 24-Mar. 12.....	4		
Florida:				
Key West.....	May 4.....	1		
Illinois:				
Cairo.....	Mar. 11.....	1		
Chicago.....	Feb. 1-Feb. 28.....	95	21	
	Mar. 1-Mar. 27.....	67	31	
Madison.....	Feb. 25.....	8	2	
Olney.....	.....do.....	1		
Quincy.....	.....do.....	1		
Indiana:				
Evansville.....	Apr. 30-May 6.....	8		
Michigan City.....	Jan. 12-Feb. 9.....	2	1	
Indianapolis.....	May 6.....	1		
Franklin.....	Feb. 9-Feb. 22.....	2		
New Carlisle.....	.....do.....	2		
Jeffersonville.....	Apr. 24.....	1	1	
Clark County.....	Apr. 24.....	3	1	
Tell City.....	Apr. 24.....	3		
	May 6.....	1		
Roby.....	Apr. 24.....	1		
Terre Haute.....	May 6.....	1	1	
La Porte.....	Feb. 22.....	1		
Whiting.....	.....do.....	1		
Iowa:				
Council Bluffs.....	Jan. 27-Feb. 2.....	3		
Muscatine.....	Apr. 17.....	1		
Kentucky:				
Ashland.....	Mar. 25.....	4	1	
	Apr. 1-May 8.....	6		
Henderson.....	Apr. 27.....	1		
Lexington.....	.....do.....	25	3	
Paducah.....	Mar. 24.....	1		
	Apr. 1-May 8.....	30		
Princeton.....	Mar. 24.....	1		
	Apr. 1-May 8.....	10		

Smallpox in the United States as reported to the Supervising Surgeon-General Marine-Hospital Service, February 1 to May 22, 1895—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Kentucky—Continued.				
Union Junction.....	Apr. 1-May 8.....	3		
Winchester.....	do.....	1		
Williamstown.....	do.....	1		
High Bridge.....	do.....	2		
Maysville.....	do.....	1		
Henderson.....	do.....	1		
Louisville.....	do.....	5	1	
	Apr. 1-Apr. 30.....		1	
Louisiana:				
Monroe.....	Feb. 10-Feb. 22.....	3	1	
New Orleans.....	Mar. 9-Apr. 6.....	6	1	
	Apr. 13-Apr. 20.....	1		
	Apr. 26-May 4.....	28	2	
Maryland:				
Charles County.....	Apr. 10.....	23	3	
	Apr. 27.....	2		
Michigan:				
Brownstown Township.....	Apr. 13-May 4.....			Smallpox reported.
Detroit.....	Jan. 27-Mar. 2.....	27	11	
	Mar. 9-Mar. 30.....	8	1	
Grand Rapids.....	Feb. 23-Mar. 2.....	1		
Plymouth Township.....	Jan. 1-Feb. 6.....	4	1	
Three Rivers.....	Mar. 1-Mar. 7.....	1		
Watson Township.....	Mar. 13.....	1		
Ypsilanti.....	Mar. 9-Mar. 16.....			Do.
Mississippi:				
Vicksburg.....	Mar. 26.....	1		
	May 1.....	2		
Missouri:				
St. Louis.....	Jan. 12-Feb. 9.....	25	4	
	Feb. 23-Mar. 23.....	80	31	
	Mar. 28-Apr. 6.....	17	4	
	Apr. 13-Apr. 27.....	53	5	
	May 4-May 11.....	11	2	
Lincoln County.....	Mar. 1-Apr. 1.....	20		
Nodaway County.....	Apr. 6.....	1		
New Hampshire:				
Claremont.....	Apr. 20-May 3.....	11		
Croydon.....	Apr. 20-May 4.....	7		
Newport.....	Apr. 24.....	1		
New Jersey:				
Hoboken.....	Apr. 20-Apr. 27.....	2		
	May 4-May 11.....	1		
Snake Hill.....	Feb. 22.....	1		
Union Township.....	Apr. 20.....	1		
Harrison.....	do.....	1		
New York:				
Brooklyn.....	Jan. 1-Feb. 23.....	3	1	
	Mar. 2-Mar. 9.....	1		
	Mar. 16-Mar. 23.....	1		
New York.....	Nov. 24-Feb. 9.....	55	10	
	Feb. 9-Mar. 23.....	5	1	
Westchester.....	Feb. 23.....	1		
Ohio:				
Cincinnati.....	Feb. 20-May 7.....	89	17	
	May 10-May 17.....	5	3	
Cleveland.....	May 7.....	8		
Coal City.....	Mar. 28-Apr. 18.....	2		
Columbus.....	Mar. 9-May 4.....	2		
Lima.....	Mar. 8.....	1		
Wellington.....	Feb. 28-Apr. 18.....	3		
Oklahoma:				
Cleveland County.....	Mar. 1-Apr. 3.....	3		
Pennsylvania:				
Ashbourne.....	Jan. 1-Feb. 12.....	9	1	
Danville.....	Jan. 23-Feb. 12.....	1		
Philadelphia.....	Dec. 18-Apr. 9.....	243	33	
	Apr. 9-May 7.....	20	1	
	May 4-May 11.....	2	1	
Pittsburg.....	Jan. 1-Mar. 16.....	2		
	Mar. 27.....	1		
Wilkesbarre.....	Feb. 12-Mar. 2.....	1		
Rhode Island:				
Providence.....	Feb. 12.....	1		
Tennessee:				
Memphis.....	Mar. 24.....	1		
	May 9-May 10.....	2		

Smallpox in the United States as reported to the Supervising Surgeon-General Marine-Hospital Service, February 1 to May 22, 1895—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Texas:				
Fort Worth	Feb. 16-Mar. 23.....	11	1	
Marshall	Mar. 30-Apr. 6.....	2		
Taylor	Mar. 13.....	1		
Virginia:	Feb. 15.....	1		
Newport News.....	Feb. 24.....	1		
Staunton and Augusta Co.....	Apr. 28-May 19.....	59	4	
West Virginia:				
Bluefields.....	Feb. 21.....	1		
Thacker.....	Apr. 6.....	3		
Wheeling.....	Mar. 18-May 3.....	12	1	
Wisconsin:				
Cedarburg.....	Apr. 22-May 20.....	5		
De Pere Township.....	Mar. 23-May 6.....	8	2	
Dover.....	Mar. 2-Mar. 9.....	4		
Eau Claire.....	Jan. 12-Jan. 19.....	1	1	
Granville.....	Feb. 9-Feb. 16.....	1		
Gibson Township.....	Apr. 8-Apr. 22.....	1		
Greenfield.....	Jan. 5-Mar. 2.....	16	4	
	Dec. 22-Feb. 2.....	9	1	
	Feb. 25-Mar. 2.....	6	2	
	Apr. 22-May 6.....	2	2	
Lawrence Township.....	Apr. 8-May 6.....	9	1	
Manitowoc Rapids.....	Dec. 28-Feb. 16.....	3	1	
Milwaukee.....	Oct. 6-Mar. 23.....	524	164	
	Mar. 23-May 20.....	55	10	
Oshkosh.....	May 6-May 20.....	1		
Plover.....	Apr. 20-May 6.....	2		
Rockland Township.....	Apr. 20-May 6.....	1		
Sparta.....	Mar. 9-Mar. 23.....	6		
Springville.....	Apr. 8-Apr. 22.....	1		

VESSELS ARRIVING AT, DEPARTING FROM, AND REMAINING AT UNITED STATES QUARANTINE STATIONS.

BRUNSWICK QUARANTINE.

Week ended May 18, 1895.

Name of vessel.	Date of arrival.	Where from.	Destination.	Treatment of vessel and cargo.	Date of departure.
Spanish brig Maria Orera.....	May 7	Havana.....	Brunswick..	Disinfected.....	May 18
British bark Flora.....	May 15	Rio de Janeiro.	St. Simons Island.	Held for disinfection.	.....
Norwegian bark Veritas.....	May 17	Pernambuco.	Brunswick..	.....do.....	.....

One vessel inspected and passed.

CAPE CHARLES QUARANTINE

Week ended May 18, 1895.

Two vessels inspected and passed.

DELAWARE BREAKWATER QUARANTINE.

Week ended May 18, 1895.

Eleven vessels inspected and passed.

PORT TOWNSEND QUARANTINE.

Week ended May 11, 1895.

Six vessels inspected and passed.

REEDY ISLAND QUARANTINE.

Week ended May 19, 1895.

Nineteen vessels inspected and passed. Two vessels spoken and passed.

SAN DIEGO QUARANTINE.

Week ended May 15, 1895.

Two vessels inspected and passed.

SOUTH ATLANTIC QUARANTINE.

Week ended May 11, 1895.

Name of vessel.	Date of arrival.	Where from.	Destination.	Treatment of vessel and cargo.	Date of dep'ture.
Portuguese bark Fernanda....	May 6	Rio de Janeiro.	Savannah...	Held for disinfection.	.....
Spanish bark Palantino.....	May 9	Cardenas....	Port Royal...	.....do.....	.....
British steamship Castlefield...	May 11	Havana	Savannah...	.....do.....	.....

Three vessels inspected and passed.

Week ended May 18, 1895.

Name of vessel.	Date of arrival.	Where from.	Destination.	Treatment of vessel and cargo.	Date of dep'ture.
Portuguese bark Fernanda *...	May 6	Rio de Janeiro.	Savannah...	Disinfected and held for observation.	.....
Spanish bark Palantino *.....	May 9	Cardenas....	Port Royal...	.....do.....	.....
British steamship Castlefield *..	May 11	Havana	Savannah...	.....do.....	.....

* Previously reported.

Two vessels inspected and passed.

Reports of States and Yearly and Monthly Reports of Cities.

CONNECTICUT.—Month of April, 1895. Reports to the State board of health from 166 towns, having an aggregate population of 813,107, show a total of 1,194 deaths, including phthisis pulmonalis, 131; enteric fever, 7; scarlet fever, 14; diphtheria and croup, 19; measles, 1; and whooping cough, 16.

MARYLAND—*Baltimore*.—Month of April, 1895. Estimated population, white, 422,568; colored, 73,747; total, 496,315. Deaths, white, 587; colored, 214; total, 801, including phthisis pulmonalis, 108; enteric fever, 9; scarlet fever, 7; diphtheria, 13; croup, 5; measles, 4; and whooping cough, 6.

MASSACHUSETTS—*Brockton*.—Month of April, 1895. Estimated population, 33,939. Total number of deaths, 55, including phthisis pulmonalis, 13; scarlet fever, 2; croup, 1; and whooping cough, 1.

Lowell.—Month of April, 1895. Estimated population, 90,613. Total number of deaths, 162, including phthisis pulmonalis, 14; enteric fever, 5; diphtheria, 2; and whooping cough, 1.

Worcester.—Month of April, 1895. Estimated population, 100,410. Total deaths, 147, including phthisis pulmonalis, 15; diphtheria, 2; and whooping cough, 3.

MICHIGAN.—Week ended May 11, 1895. Reports to the State board of health, Lansing, from 53 observers, indicate that remittent fever, intermittent fever, pneumonia, and diarrhea increased in area of prevalence. Phthisis pulmonalis was reported present during the month at

147 places, scarlet fever at 39, measles at 25, diphtheria at 18, enteric fever at 12, and smallpox at 2 places, Brownstown Township and Detroit.

MISSOURI—*St. Louis*.—Month of April, 1895. Estimated population, 560,000. Total deaths, 700, including phthisis pulmonalis, 78; smallpox, 14; enteric fever, 7; scarlet fever, 2; diphtheria, 22; croup, 17; measles, 9; and whooping cough, 3.

NEBRASKA—*Omaha*.—Month of March, 1895. Estimated population, 140,000. Total deaths, 124, including phthisis pulmonalis, 17; scarlet fever, 5; diphtheria and croup, 5; measles, 1; and whooping cough, 3.

Month of April, 1895. Total deaths, 78, including phthisis pulmonalis, 7; scarlet fever, 5; diphtheria and croup, 1; and whooping cough, 2.

RHODE ISLAND—*Newport*.—Month of April, 1895. Estimated population, 20,000. Total deaths, 23, including phthisis pulmonalis, 3; and croup, 1.

PUBLICATIONS RECEIVED.

Report Relating to the Registration of Births, Marriages, and Deaths in the Province of Ontario for the Year ending December 31, 1893.

MORTALITY TABLE, CITIES OF THE UNITED STATES.

Cities.	Week ended.	Population, U. S. Census of 1880.	Total deaths from all causes.	Deaths from—									
				Phthisis pulmonalis.	Yellow fever.	Smallpox.	Variceloid.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Allegheny, Pa.....	May 18....	105,287	31	1						1			
Ashtabula, Ohio.....	do.....	8,338	2										
Auburn, N. Y.....	do.....	25,858	14	2						1			
Augusta, Ga.....	May 17....	33,300	19	4						1			
Baltimore, Md.....	May 18....	434,439	166	23								3	
Bath, Me.....	May 11....	8,723	2										
Battle Creek, Mich.....	May 18....	13,197	7	2						1			
Belleville, Ill.....	May 11....	15,361	6										
Bennington, Vt.....	May 18....	6,391	2	1									
Beverly, Mass.....	May 4....	10,821	2										
Do.....	May 11....	10,821	2										
Do.....	May 18....	10,821	5										
Binghamton, N. Y.....	do.....	35,005	10										
Boston, Mass.....	do.....	448,477	194	38						2	3	10	
Braddock, Pa.....	do.....	8,561	4										
Bristol, Conn.....	May 11....	7,382	3										
Bristol, R. I.....	May 18....	5,478	3										
Brockton, Mass.....	May 11....	27,294	8										
Brookline, Mass.....	do.....	12,103	4	1								1	
Brooklyn, N. Y.....	May 18....	806,343	355	43						2	2	21	7
Bucyrus, Ohio.....	do.....	8,974	4										4
Butler, Pa.....	do.....	8,734	5										
Cambridge, Mass.....	do.....	70,028	15	3									
Charleston, S. C.....	May 11....	* 54,955	† 30	4									
Cincinnati, Ohio.....	May 17....	296,908	102	19		3						3	1
Columbus, Ind.....	May 11....	6,719	1	1									
Columbus, Ohio.....	May 18....	88,150	19	3									
Council Bluffs, Iowa.....	May 12....	21,474	2										
Crawfordsville, Ind.....	May 11....	6,089	2										
Cumberland, Md.....	do.....	12,729	8	1								1	1
Do.....	May 18....	12,729	5										
Dayton, Ohio.....	May 16....	61,230	21	3									
Dedham, Mass.....	May 11....	7,123	6										
Denver, Colo.....	do.....	106,713	27	7						2	5		1
Dunkirk, N. Y.....	do.....	9,416	3									1	
Elgin, Ill.....	May 18....	17,823	5	1									1
Erie, Pa.....	do.....	40,634	14	2									
Everett, Mass.....	do.....	11,068	2										
Fall River, Mass.....	do.....	74,398	24	4									
Fitchburg, Mass.....	May 11....	22,037	13	2								1	
Flint, Mich.....	May 18....	9,803	0										
Fort Smith, Ark.....	May 11....	11,311	3	1									
Fort Worth, Tex.....	do.....	23,076	3										
Gloucester, Mass.....	May 13....	24,651	8							1			
Grand Rapids, Mich.....	May 18....	60,278	20	4									
Haverhill, Mass.....	do.....	27,412	11	1									
Hazleton, Pa.....	May 11....	11,872	3										
Hoboken, N. J.....	do.....	43,648	24	2								2	
Iron Mountain, Mich.....	May 18....	8,599	3										
Ironton, Ohio.....	do.....	10,939	2										
Jamestown, N. Y.....	May 11....	16,038	1										
Johnstown, Pa.....	May 18....	21,805	6	1									
Kalamazoo, Mich.....	May 11....	17,853	6	2									
Lebanon, Pa.....	May 19....	14,664	7										
Lowell, Mass.....	May 18....	77,696	29	2								1	
Ludington, Mich.....	do.....	7,517	0										
Lynchburg, Va.....	do.....	19,709	2	1						1			
McKeesport, Pa.....	May 11....	20,741	2							1			
Manchester, N. H.....	do.....	44,126									2		
Do.....	May 18....	44,126								1			
Marinette, Wis.....	May 11....	11,523	1										
Do.....	May 18....	11,523	5								1		
Marlborough, Mass.....	do.....	13,805	7	1									
Massillon, Ohio.....	do.....	10,092	3	1									
Medford, Mass.....	do.....	11,079	3	1									
Michigan City, Ind.....	do.....	10,776	2										
Middletown, Ohio.....	May 28....	7,681	4	1									
Milford, Mass.....	May 20....	8,780	1									1	
Milwaukee, Wis.....	May 11....	204,468	83	10		1				1		2	2
Do.....	May 18....	204,468	56	4									
Mt. Vernon, N. Y.....	May 11....	10,830	5	1								1	
Nashville, Tenn.....	May 18....	76,168	34	8						1			
New Bedford, Mass.....	do.....	40,733	25	3									

* Estimated population, white, 28,870; colored, 36,295. Total, 65,165. † White, 11; colored, 19.

*

Table of Temperature and Rainfall, Week ended May 20, 1895.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	*Excess.	*Deficiency.	Normal.	Excess.	Deficiency.
Atlantic Coast:						
Eastport, Me.....	48		4	.98		.58
Portland, Me.....	54		6	.77		.77
Northfield, Vt.....	54		8	.64		.14
Boston, Mass.....	57		7	.82		.02
Vineyard Haven, Mass.....	57		7	.73	.47	
Nantucket, Mass.....	52		4	.77		.07
Woods Hole, Mass.....	54		6	.70	.30	
Block Island, R. I.....	52		6	.89	.31	
New Haven, Conn.....	57		7	.77		.37
New London, Conn.....	57		9	.80	1.00	
Albany, N. Y.....	60		8	.70		.40
New York, N. Y.....	60		10	.65		.25
Harrisburg, Pa.....	60		9	1.19		.59
Philadelphia, Pa.....	62		8	.64		.24
Atlantic City, N. J.....	57		7	.56	.64	
Baltimore, Md.....	65		13	.80		.20
Washington, D. C.....	64		11	.85		.09
Lynchburg, Va.....	65		11	.84	.66	
Cape Henry, Va.....	65		11	.84	.06	
Norfolk, Va.....	66		10	.91	.49	
Charlotte, N. C.....	69		11	.98		.38
Raleigh, N. C.....	68		10	1.45		.65
Kittyhawk, N. C.....	67		11	.72	.98	
Hatteras, N. C.....	67		7	.91	.09	
Wilmington, N. C.....	70		6	1.00	.70	
Columbia, S. C.....	72		8	.99		.39
Charleston, S. C.....	73		5	.91		.31
Augusta, Ga.....	73		7	.77		.27
Savannah, Ga.....	74		6	.51		.41
Jacksonville, Fla.....	75		3	1.00		.70
Titusville, Fla.....	76		4	1.24		.94
Jupiter, Fla.....	76		0	1.99		1.09
Key West, Fla.....	80		2	.84		.44
Gulf States:						
Atlanta, Ga.....	68		6	1.04		.54
Tampa, Fla.....	75		1	.67		.67
Pensacola, Fla.....	74		4	.73	.47	
Mobile, Ala.....	74		4	.98	.22	
Montgomery, Ala.....	73		5	.91		.61
Meridian, Miss.....	70		4	1.55		1.35
Vicksburg, Miss.....	73		7	1.05		.85
New Orleans, La.....	75		3	1.17		.67
Shreveport, La.....	74		6	.98		.88
Fort Smith, Ark.....	69		5	.98		.28
Little Rock, Ark.....	70		6	1.26		.66
Palestine, Tex.....	72		6	1.58		1.38
Galveston, Tex.....	76		4	.97		.47
San Antonio, Tex.....	75		5	.77	.33	
Corpus Christi, Tex.....	76		4	.82		.72
Ohio Valley and Tennessee:						
Memphis, Tenn.....	70		6	.82		.72
Nashville, Tenn.....	68		12	.77		.37
Chattanooga, Tenn.....	68		8	.98		.78
Knoxville, Tenn.....	66		10	.84		.04
Louisville, Ky.....	67		13	.84	.16	
Indianapolis, Ind.....	64		14	.92		.82
Cincinnati, Ohio.....	65		15	.77		.57
Columbus, Ohio.....	62		12	1.12		1.12
Parkersburg, W. Va.....	64		14	.91		.61
Pittsburg, Pa.....	63		13	.77		.17
Lake Region:						
Oswego, N. Y.....	54		8	.56	.54	
Rochester, N. Y.....	56		8	.70	.50	
Buffalo, N. Y.....	54		8	.70	.30	
Erie, Pa.....	56		10	.79	.11	
Cleveland, Ohio.....	57		11	.76		.46
Sandusky, Ohio.....	59		11	.77		.37
Toledo, Ohio.....	59		11	.77		.37
Detroit, Mich.....	58		12	.79	.61	
Lansing, Mich.....	58		14	.70	.00	
Port Huron, Mich.....	53		11	.77	.93	
Alpena, Mich.....	50		10	.84		.34
Sault Ste. Marie, Mich.....	47		7	.49		.19
Marquette, Mich.....	49		9	.58		.18

* The figures in these columns represent the average daily departure.

Table of Temperature and Rainfall, Week ended May 20, 1895—Continued.

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	*Excess.	*Deficiency.	Normal.	Excess.	Deficiency.
Lake Region—Continued.						
Green Bay, Wis.....	54		10	.72		.32
Grand Haven, Mich.....	55		13	.77	.03	
Milwaukee, Wis.....	54		10	.77		.07
Chicago, Ill.....	57		13	.84		.64
Duluth, Minn.....	49		7	.82		.52
Upper Mississippi Valley:						
St. Paul, Minn.....	57		11	.71		.31
La Crosse, Wis.....	58		10	.71		.21
Dubuque, Iowa.....	60		12	.91		.71
Davenport, Iowa.....	61		11	1.05		.95
Des Moines, Iowa.....	62		10	1.13		1.13
Keokuk, Iowa.....	63		11	.91		.91
Springfield, Ill.....	63		13	1.16		.76
Cairo, Ill.....	68		12	.84		.14
St. Louis, Mo.....	66		12	.91	1.99	
Missouri Valley:						
Columbia, Mo.....	62		8	1.37	.73	
Springfield, Mo.....	68		14	1.46		1.26
Kansas City, Mo.....	64		8	.92	.48	
Wichita, Kans.....	66		4	1.26		1.26
Concordia, Kans.....	62		2	.98		.88
Omaha, Nebr.....	62		6	1.05		1.05
Yankton, S. Dak.....	59		7	.98		.88
Valentine, Nebr.....	57		9	.87		.87
Huron, S. Dak.....	55		7	.77		.67
Pierre, S. Dak.....	57		5	.50		.50
Moorehead, Minn.....	53		9	.56		.46
St. Vincent, Minn.....	51		7	.42	.38	
Bismarck, N. Dak.....	54		6	.56		.46
Williston, N. Dak.....	54		8	.41		.21
Rocky Mountain Region:						
Havre, Mont.....	53		3	.29		.29
Helena, Mont.....	53	3		.31		.31
Miles City, Mont.....	56		4	.51		.41
Rapid City, S. Dak.....	53		3	1.01		.91
Spokane, Wash.....	57	5		.28		.28
Wallawalla, Wash.....	63	1		.44		.24
Baker City, Oreg.....	54	2		.42		.22
Winnemucca, Nev.....	54	8		.19		.19
Salt Lake City, Utah.....	59	5		.40		.40
Lander, Wyo.....	52	0		.59		.49
Cheyenne, Wyo.....	51		1	.49		.49
North Platte, Nebr.....	58		6	.68		.68
Denver, Colo.....	57		3	.66		.06
Pueblo, Colo.....	59		3	.28	.22	
Dodge City, Kans.....	64		4	.88		.88
Oklahoma, Okla.....	65			1.38		1.38
Abilene, Tex.....	72		4	.98	.22	
Santa Fe, N. Mex.....	56	0		.21	.69	
El Paso, Tex.....	73		3	.07		.07
Tucson, Ariz.....	74	2		.07		.07
Pacific Coast:						
Tatoosh Island, Wash.....	50			.93		
Port Angeles, Wash.....	51	3		.21		.21
Olympia, Wash.....	55	1		.49		.49
Fort Canby, Wash.....	53	3		.56		.16
Astoria, Oreg.....	58	0		.63		.53
Portland, Oreg.....	60	2		.56		.56
Roseburg, Oreg.....	58	2		.36		.36
Eureka, Cal.....	54		2	.66		.66
Red Bluff, Cal.....	68	2		.23		.23
Carson City, Nev.....	55	5		.31		.21
Sacramento, Cal.....	65		3	.14		.14
San Francisco, Cal.....	58		4	.14		.14
Fresno, Cal.....	68	2		.07		.07
Independence, Cal.....	65	5		.07		.07
Los Angeles, Cal.....	63	1		.07	.03	
San Diego, Cal.....	62		2	.07		.07
Yuma, Ariz.....	78	2		.00	.00	

* The figures in these columns represent the average daily departure.

FOREIGN.

[Reports received from the United States consuls through the Department of State and from other sources.]

Cholera and Yellow Fever as reported to the Supervising Surgeon-General M. H. S., January 4 to May 22, 1895.

CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Camaran Quarantine Station.	Mar. 23-Apr. 24....	85	72	
Mecca.....	Apr. 22.....	6		
Argentina:				
Buenos Ayres.....	To Jan. 10.....	125	59	
	Jan. 1-Jan. 31....	87	27	
	Feb. 1-Feb. 28....		45	
	Mar. 13.....	8		
	Mar. 21.....	5	3	
La Plata.....	Dec. 29.....	1		
Montevideo.....	Mar. 13.....		3	
	Mar. 16.....	16		
	Mar. 18.....	5		
	Mar. 21.....	2	1	
Rosario.....	Mar. 21.....	8		
San Nicholas.....	Mar. 29.....	7	3	
Austria-Hungary:				
Galicia.....	Dec. 3-Feb. 17....	877	450	
Belgium.....	Nov. 18-Nov. 24....	3		
Brazil.....	Dec. 11-Feb. 4....			* Cholera reported.
Alegre.....	Apr. 3.....	1		Cholera reported.
Bahia.....	Apr. 3.....			
Cachocira.....	Feb. 24-Mar. 3....	40	21	
Desergano.....	March 20.....	11		
Itapemerim.....	do.....	50	2	
Porto Novo.....	Apr. 3.....			Do.
Rio de Janeiro.....	Dec. 1-Dec. 31....	6	6	
	Jan. 1-Jan. 31....		45	
	Feb. 1-Feb. 28....		105	
	Mar. 1-Mar. 28....	93	31	
	Mar. 29-Apr. 13....		5	
Santo Antonio de Muriatze.	Apr. 3.....	18	15	
Volto Redondo.....	Apr. 3.....	1		
Ceylon:				
Colombo.....	Jan. 26-Feb. 2....	8	8	
France:				
Roubaix.....	December.....		3	
Germany.....	Dec. 10-Dec. 31....	3	2	
Holland.....	Dec. 8.....	7		
India:				
Bombay.....	Dec. 11-Jan. 8....		4	
	Mar. 5-Mar. 12....		1	
Calcutta.....	Nov. 17-Feb. 13....		431	
	Mar. 2-Mar. 30....		303	
Madras.....	Dec. 7-Feb. 22....		68	
	Mar. 2-Mar. 8....		2	
	Mar. 16-Mar. 30....		2	
Japan:				
Hiogo.....	Apr. 13-Apr. 20....	1		
Hiroshima.....	Mar. 29.....	1		
Moji.....	Mar. 19.....	18	10	
	Mar. 22.....		1	
Russia (governments):				
Archangel.....	Oct. 28-Nov. 3....	4	3	
Baku.....	Nov. 4-Dec. 8....	9	8	
Bessarabia.....	Nov. 11-Jan. 12....	135	62	
Ekaterinoslav.....	Nov. 11-Dec. 15....	35	26	
Grodno.....	Nov. 25-Dec. 8....	61	35	
Kiev.....	Nov. 11-Dec. 29....	161	71	
Kovno.....	Nov. 11-Dec. 29....	98	53	
	Jan. 20-Jan. 21....	1	1	
Kurland.....	Nov. 4-Dec. 15....	5	3	
	Dec. 23-Feb. 2....	44	21	
Kursk.....	Dec. 2-Dec. 8....	5	3	
	Jan. 6-Jan. 19....	4	3	

* Towns Cachocira, Cruzeiro; Campo Bello, Barra; Reyende Quelena, and Volta Redondo.

Cholera and Yellow Fever, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia—Continued.				
Lomza.....	Nov. 18-Dec. 2....	11	8	
Lublin.....	Nov. 3-Dec. 8....	45	14	
Minsk.....	Nov. 16-Dec. 29....	49	17	
	Jan. 6-Jan. 12....	5	3	
Mohilev.....	Nov. 25-Dec. 22....	52	16	
Olonetz.....	Nov. 18-Nov. 24....	7	4	
Pensa.....	Nov. 11-Nov. 24....	20	12	
Perm.....	Nov. 4-Dec. 8....	39	22	
Petrikov.....	Nov. 25-Dec. 22....	74	37	
	Jan. 4-Jan. 19....	6	1	
Podolia.....	Nov. 11-Mar. 23....	2,080	894	
Podolsk.....	Mar. 24-Apr. 20....	27	17	
Pakov.....	Nov. 16-Dec. 7....	4	2	
Radom.....	Jan. 1-Jan. 26....	20	9	
Riasan.....	Nov. 4-Jan. 5....	52	33	
Saratov.....	Nov. 11-Dec. 29....	26	20	
	Jan. 6-Jan. 12....	3	1	
Suwalki.....	Jan. 18-Jan. 26....	25	10	
Tambov.....	Nov. 18-Dec. 8....	42	16	
Taurien.....	Nov. 4-Dec. 8....	61	35	
	Dec. 30-Jan. 26....	35	23	
Tchernigov.....	Nov. 4-Dec. 22....	77	23	
	Jan. 13-Feb. 16....	8	5	
Tiflis.....	Nov. 4-Dec. 1....	35	11	
Volhynia.....	Nov. 4-Apr. 30....	586	230	
Wilna.....	Nov. 11-Dec. 11....	44	18	
Witebst.....	Nov. 18-Dec. 29....	55	32	
	Jan. 6-Jan. 12....	5	2	
Yaroslavl.....	Nov. 11-Dec. 22....	28	6	
Turkey:				
Adalia.....	Dec. 11-Feb. 18....	230	127	
Bitlis.....	Jan. 3.....			Cholera reported.
Constantinople.....	Dec. 23.....		4	
	Nov. 14-Nov. 28....		2	
	Jan. 1-Jan. 31....		14	
	Feb. 7-Feb. 28....		108	
	Mar. 1-Mar. 31....		60	
Hudavendkiar.....	Nov. 28-Dec. 21....	18	11	
Pera.....	Feb. 21.....			Do.
Siverek.....	Jan. 8-Jan. 21....	48	31	
Van.....	Dec. 28.....	6	3	

YELLOW FEVER.

Brazil:				
Rio de Janeiro.....	Dec. 1-Mar. 30....		164	
	Apr. 1-Apr. 13....		71	
Santos.....	Nov. 23-Jan. 5....		6	
	Jan. 26-Mar. 2....	123	104	
	Mar. 9-Mar. 16....	50	48	
	Mar. 23-Mar. 30....	108	87	
Cuba:				
Havana.....	Dec. 20-Apr. 4....	85	30	
	Apr. 4-May 16....	19	9	
Santiago de Cuba.....	Mar. 1-Mar. 31....		8	
	Apr. 1-Apr. 28....		11	
Ecuador:				
Guayaquil.....	Jan. 24-Feb. 22....	14	8	
Mexico:				
Vera Cruz.....	Dec. 27-Jan. 24....		5	
	Feb. 21-Feb. 28....		1	
	Mar. 4-Mar. 21....		1	
	Apr. 4-Apr. 18....		2	
	May 2-May 9....		3	
Salvador.....	Dec. 9-Jan. 15....		12	
Puerto Rico.....	Nov. 21-Jan. 9....		4	
	Feb. 28-Mar. 6....	2	1	
Venezuela:				
Maracaibo.....	Feb. 2-Feb. 9....		1	
West Indies:				
Curaçoa.....	Dec. 28-Jan. 5....	3	3	

Current Quarantine Measures.

[Translated in this Bureau from the "Veröffentlichungen des Kaiserlichen Gesundheitsamtes," Berlin, May 1, 1895.]

AUSTRIA-HUNGARY.—The authorities of Lemburg have ordered strict sanitary inspection to be maintained throughout the district of Zbaraz, in consequence of a rumored outbreak of cholera in the Russian government of Volhynia.

TURKEY.—The International Council of Health has instituted new regulations for the sanitary service of the Hejaz. At the beginning of the pilgrim season, 12 physicians, 4 civil and 8 military, and 2 druggists shall be sent to the Hejaz. The civil physicians shall have charge of the sanitary service in general, the military of the treatment of the sick. The pharmacies recently established in Mecca shall be kept open throughout the year. Three sanitary officers are appointed whose duty it shall be to prevent the crowding together of the pilgrims and to inspect the food supplied them.

The present hospital, which accommodates only 50 beds, is to be enlarged. A corps of nurses and grave-diggers is to be organized, also a special service for the removal of impurities and for the processes of disinfection. The latter, with their outfit of carts and water carts, shall be maintained throughout the year.

At Mina, special camps shall be selected for the pilgrims. These shall be maintained in a sanitary condition.

The public latrines shall be daily disinfected with lime water or sulphate of copper. It is recommended that a water supply system be instituted for the pilgrim camps and that at the opening of the pilgrim season the cisterns be filled with fresh water. It is proposed to erect barracks at Djeddah for occupancy by the pilgrims, and to provide for their sanitation and for good and sufficient food and water supply for the pilgrims.

At Yambo, which is the port for the relatively small number of pilgrims going north, arrangements are in process for providing a water supply, and for the erection of a hospital and the formation of a sanitary service. At Ararat, the site of the ten hours' religious function shall be thoroughly cleaned at the conclusion of the same.

Certain of the water tanks which have heretofore served all purposes of ablution, washing and drinking, shall hereafter be set aside exclusively for drinking water.

The commission appointed to formulate these regulations also proposes to provide for the improvement of the sewer and water supply systems of the cities of the Hejaz generally, and for the filling up of the malarious marshes in the vicinity of Djeddah and Yambo.

GREECE.—Advices of April 22 state that arrivals from ports on the coast of Asia Minor, lying between Phoenix and Mersina, shall be subject only to strict sanitary inspection.

EGYPT.—By resolution of the international council, March 5, 1895, article 3, section 2 of the regulations governing arrivals from Arabian ports (annex 4 of the Venice agreement), which prohibits the landing in Egypt of pilgrims returning to Bosnia and Herzegovina, is suspended. Such pilgrims shall hereafter be admitted on condition of submitting to the rules and regulations imposed on the Egyptian pilgrims. After complying with the aforesaid rules and regulations they shall be free to land and to pursue their journey to their respective points of destination.

ALGIERS.—Two sections of the regulations for the pilgrimage to Mecca and for police control of pilgrim transport, relate to the departure from Algerian ports for the Hejaz. Their tenor is as follows:

Persons intending to make the pilgrimage shall obtain permission from the authorities, and furnish proof that they are in possession of means sufficient to defray the expenses of themselves and families.

The voyage shall be made only in French steamers. On board every vessel of more than 100 tons burden there shall be a physician, officially appointed. The pilgrims shall be separated into groups of 20. Each group shall be in charge of a conductor. After return to their homes the pilgrims shall undergo seclusion for a period to be determined by the authorities. The embarkation of pilgrims shall take place under supervision of officials appointed by the inspection commission, and acting under the terms of the Paris agreement. No less than 2 cubic meters space shall be allotted each pilgrim.

The space between decks shall be not less than 1.80 meters in height. Provision shall be made for a good and sufficient water supply. Each pilgrim vessel shall be provided with a steam disinfecting apparatus, and an apparatus for distilling water. Pilgrim vessels to which these regulations apply are vessels used exclusively for pilgrim transport, or vessels carrying more than one pilgrim of the lowest class for every 100 tons of the vessel's lading capacity. The quarantine station for returning pilgrims shall be Mati.

ARGENTINA.—By official declaration of March 3, the ports of Uruguay are pronounced infected.

CUBA.

Yellow Fever in Santiago.

SANTIAGO DE CUBA, May 15, 1895.

SIR: * * * The city hospitals, as well as improvised county hospitals, are reported as being crowded with patients, who are there from some cause. In ordinary times health reports indicate deaths only, and not the number sick with a given disease. My bills of health now indicate 11 deaths for the two weeks ending April 30, that being the last report received. * * *

PULASKI F. HYATT,
United States Consul.

JAMAICA.

Mortality from Yellow Fever in Jamaica from 1883-84 to 1893-94.

KINGSTON, JAMAICA, April 27, 1895.

SIR: In continuation of my letter, dated the 24th instant, I have the honor to inclose herewith a communication received by me from the superintending medical officer of this island, in which he states that there are no statistics available that will afford the information desired by you. He incloses, however, a statement, compiled from the registrar-general's returns of births and deaths, showing the number of deaths that have occurred from yellow fever in the island from 1883-84 to 1893-94, which I hand you.

I regret that the medical officer is unable to furnish me with the statistics requested.

I have the honor to be, sir, your obedient servant,

Q. O. ECKFORD,
United States Consul.

[Inclosure.]

ISLAND MEDICAL OFFICE, *Kingston, April 26, 1895.*

SIR: I have the honor to acknowledge the receipt of your letter, No. 848, dated the 17th instant, forwarding copy of a communication received by you from the Supervising Surgeon-General, Marine-Hospital Service of America, asking to be furnished with statistics showing the effect which sanitation has had upon the island of Jamaica, more particularly in modifying yellow fever. In reply, I have to state that there are no statistics available that will afford the information desired by the Supervising Surgeon-General.

I however inclose a statement—compiled from the registrar-general's returns of births and deaths—showing the number of deaths from yellow fever that have occurred in this island during the periods noted therein. I would mention that for very many years there has been no prevalence of yellow fever in the island; very few cases of the disease occurring at any time amongst the general population. A considerable number of the cases recorded have occurred on board British and foreign vessels visiting the ports of this island, and on the war ships arriving at Port Royal. These cases are treated either at the Naval Hospital or in quarantine.

I have the honor to be, sir, your obedient servant,

LEONARD CRANE,
Superintending Medical Officer.

Q. O. ECKFORD, Esq.,
Consul United States of America, Kingston.

1883-84, 1 death; 1884-85, 13 deaths; 1885-86, 38 deaths; 1886-87, 3 deaths; 1887-88, 4 deaths; 1888-89, 15 deaths; 1889-91, 18 months, no deaths; 1891-92, 8 deaths; 1892-93, 1 death; 1893-94, no deaths. Total, 83 deaths.

MEXICO.

Smallpox in Nogales.

NOGALES, ARIZ., *May 12, 1895.*

SIR: I have the honor to report 1 new case of smallpox in Nogales, Sonora, Mexico.

Very respectfully,

W. F. CHENOWETH,
Sanitary Inspector, M. H. S.

Yellow Fever in Vera Cruz.

WASHINGTON, D. C., *May 22, 1895.*

UNITED STATES CONSUL, *Vera Cruz, Mexico:*

Does yellow fever prevail in Vera Cruz? Wire.

WYMAN,
Supervising Surgeon-General M. H. S.

VERA CRUZ, *May 22, 1895.*

Yes; death rate lower than last year.

SCHAEFER,
United States Consul.

SUPERVISING SURGEON-GENERAL M. H. S., *Washington, D. C.*

Yellow Fever Reported at Mazatlan.

NOGALES, ARIZ., *May 17, 1895.*

SIR: I have the honor to report that the semiofficial paper (*El Imparcial*) of Senora, Mexico, publishes the statement that yellow fever is epidemic at Mazatlan, and that there is an average of 3 or 4 deaths daily from the disease in that city.

Very respectfully,

W. F. CHENOWETH,
Sanitary Inspector, M. H. S.

RUSSIA.

Cholera in Russia.

ST. PETERSBURG, April 29, 1895.

SIR: I beg to report the further continuation of cholera in the following provinces of Russia, to wit: In the province of Volyn 169 cases occurred from March 17 to April 13, 1895, of which 54 proved fatal; and in the province of Podolsk, between March 24 and April 20, 1895, 27 cases, 17 of which proved fatal.

I am, sir, your obedient servant,

JOHN KAREL,
United States Consul-General.

WEST INDIES.

Sanitary Condition of Barbados.

BARBADOS, W. I., April 18, 1895.

SIR: I regret that I am unable to furnish you with the sanitary statistics asked for, they not being obtainable.

Barbados has always enjoyed the reputation of being a most salubrious colony, with a climate specially adaptable to invalids and entirely free from the fevers so prevalent in the surrounding islands. The causes for this are attributed to many reasons. Among others may be mentioned the strong trade winds, which, unbroken by any thickly wooded mountains, and without crossing poisonous swamps or marshes, blow over the entire island throughout the year. The exceptionally porous nature of the soil—the island being of coral formation—which quickly absorbs moisture, together with the absence of heavy dews, are doubtless also great features in this respect. Another cause may be attributed to the vigilance of the sanitary commissioners in daily inspecting the "dark side" of the city, and promptly summoning before a public magistrate any occupant or owner whose house, yard, or door step is found in an unclean condition. The keeping of swine is also strictly prohibited within a radius of one mile from the city limits.

Another system adopted is the nightly removal of excreta from the tenements of the city in pails placed in carts provided by the municipal government, and which is deposited in the ocean. Doubtless the abundant supply of pure water is also greatly conducive to the health of the inhabitants, stand pipes being placed at frequent intervals along all the streets and roads of the town and country, from which that part of the population, which is unable to afford the luxury of a tap in their dwellings, can easily obtain an unlimited supply of the purest water. A portion of this water is also used for daily flushing the gutters and drains of the town, thus forcing into the sea any decomposed matter which may have accumulated.

There is, however, little doubt that to their stringent and rigidly enforced quarantine regulations. Barbadians are greatly indebted. These regulations, shortly summed up, consist of the following provisions, viz: Quarantine for fourteen days on any vessel calling from a port, concerning which the local authorities have been notified by the British representative at that port that there is the slightest suspicion of any contagious disease, even though the master produces a clean bill of health. Fumigation of ship and passengers' effects, and isolation of passengers at the quarantine station, and crew on board ship, for four-

teen days respectively. These regulations are indiscriminately enforced, and there can be no doubt that they have been the means of preventing an epidemic of either cholera, yellow fever, or smallpox.

In 1882 the colony was visited by yellow fever, supposed to have been introduced by a vessel arriving from Santos, Brazil. It confined itself chiefly to the garrison, and there is no reason to suppose that the germs of the disease originated in the colony.

There is no disease specially coincident to the island, death being generally attributed to the various ordinary sicknesses common to every country, with the exception of pulmonary affections, which are very rare. In this respect I would remark that there is no regular record of deaths kept, "cause of death" not being given.

I * * * regret that I am unable to procure further information, as, up to date, no regular sanitary statistics have been kept.

I am, sir, your obedient servant,

GEO. T. TATE,
United States Consul.

STATISTICAL REPORTS.

BAHAMAS—Dunmore Town.—Two weeks ended May 10, 1895. Estimated population, 1,472. One death reported.

Green Turtle Cay.—Two weeks ended May 9, 1895. Estimated population, 3,900. No deaths reported.

Governors Harbor.—Two weeks ended May 11, 1895. Estimated population, 1,185. No deaths reported.

BRAZIL—Ceara.—Month of March, 1895. Estimated population, 42,000. Total deaths, 164, including 2 from whooping cough.

CUBA—Havana.—Under date of May 18, 1895, the United States consul reports as follows:

There were 99 deaths in this city during the week ending May 16, 1895. Two of those deaths were caused by yellow fever, with 3 new cases approximately; 2 were caused by enteric fever, 1 by so-called pernicious fever, 2 by paludal fever, 16 by enteritis, 4 by dysentery, 5 by smallpox, and 2 by pneumonia.

GREAT BRITAIN—England and Wales.—The deaths registered in 33 great towns of England and Wales during the week ended May 4 corresponded to an annual rate of 17.5 a thousand of the aggregate population, which is estimated at 10,591,530. The lowest rate was recorded in Nottingham, viz, 10.6, and the highest in Burnley, viz, 26.7 a thousand.

London.—One thousand three hundred and ninety-five deaths were registered during the week, including smallpox, 1; measles, 39; scarlet fever, 13; diphtheria, 29; whooping cough, 36; enteric fever, 5; and diarrhea and dysentery, 18. The deaths from all causes corresponded to an annual rate of 16.6 a thousand. In greater London, 1,754 deaths were registered, corresponding to an annual rate of 15.1 a thousand of the population. In the "outer ring" the deaths included 7 from diphtheria, 14 from measles, and 3 from scarlet fever.

Ireland.—The average annual death rate represented by the deaths registered during the week ended May 4, in the 16 principal town districts of Ireland was 27.4 a thousand of the population. The lowest

rate was recorded in Lisburn, viz, 4.3, and the highest in Lurgan, viz, 59.3 a thousand. In Dublin and suburbs 183 deaths were registered, including smallpox, 2; diphtheria, 1; and whooping cough, 4.

Scotland.—The deaths registered in 8 principal towns during the week ended May 4 corresponded to an annual rate of 20.9 a thousand of the population, which is estimated at 1,500,435. The lowest mortality was recorded in Dundee, viz, 15.6, and the highest in Perth, viz, 25.7 a thousand. The aggregate number of deaths registered from all causes was 602, including scarlet fever, 7; diphtheria, 4; measles, 27; and whooping cough, 17.

TURKEY—Constantinople.—Month of March, 1895. Estimated population, 700,000. Total deaths, 1,338, including cholera, 60; and smallpox, 97.

MORTALITY TABLE, FOREIGN CITIES.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—									
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.	
Aix la Chapelle.....	Apr. 27	110,233	46							1	2		
Alexandria.....	Apr. 15....	231,396	129					2			2		
Amherstburg.....	May 11....	2,300	0										
Amsterdam.....	May 4....	451,598	141										7
Antigua.....	Apr. 27....	16,664	7										
Do.....	May 4....	16,664	14										
Antwerp.....	Apr. 20....	262,065	103					1		3			1
Do.....	Apr. 27....	262,065	91			1				1			
Barmen.....	Apr. 20....	125,000	48										
Do.....	Apr. 27....	125,000	43										
Belleville.....	May 13....	10,318	2										
Berlin.....	Apr. 20....	1,820,340	591							7	15	3	
Birmingham.....	May 3....	496,751	159					2		3			3
Bologna.....	May 4....	142,810	71										
Bradford.....	Apr. 28....	221,610	73										1
Do.....	May 4....	221,610	72										1
Bremen.....	Apr. 27....	128,000	42									1	
Brussels.....	do.....	498,400	197							2	1	1	1
Cairo.....	Apr. 15....	374,838	377			1	1	8					
Cardenas.....	May 4....	23,517	14										
Catania.....	Apr. 30....	120,000	90							1		13	
Chatham.....	May 11....	10,000	5								1		
Chemnitz.....	Apr. 27....	150,000	43								2	1	
Christiania.....	May 4....	175,000	61						2	1			
Cienfuegos.....	May 11....	20,000	14										
Conitcook.....	May 13....	2,500	0										
Cologne.....	Apr. 27....	314,086	119								4	1	2
Copenhagen.....	do.....	341,000	141							1	2	2	1
Crefeld.....	May 4....	106,394	25										4
Dublin.....	do.....	350,000	183										
Dusseldorf.....	Apr. 27....	163,702	65			2			1	1			
Edinburgh.....	do.....	273,535	88						1		1	8	
Do.....	May 4....	273,535	98						2	1	2	9	
Flushing.....	do.....	15,584	4										
Frankfort on the Main.....	do.....	226,000	63										
Funchal.....	Apr. 27....	35,665	21						1				
Do.....	May 4....	35,665	21						1				
Ghent.....	do.....	155,746	77										
Glasgow.....	do.....	695,876	299				1	1	4	2	6	14	
Gothenburg.....	Apr. 20....	110,400	49							2	1		
Do.....	Apr. 27....	110,400	41									2	
Halifax.....	May 11....	38,700	22										
Higo.....	Apr. 20....	158,693	67						1		2		
Hongkong.....	Apr. 6....	232,622				1							
Kehl-Strasburg.....	Apr. 27....	129,556	54										15
Kingson.....	May 17....	17,808	3										
Konigsberg.....	May 4....	169,200									2		
Leeds.....	do.....	395,546	134								1		
Leghorn.....	do.....	103,277	38						1			1	

MORTALITY TABLE, FOREIGN CITIES—Continued.

Cities.	Week ended.	Estimated popula- tion.	Total deaths from all causes.	Deaths from—							
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles. Whooping cough.
Leith.....	Apr. 27....	73,048	36								4
Do.....	May 4....	75,048	32								6
Liege.....	do.....	160,848	42						1	1	
Liverpool.....	do.....	503,967	221								5
London, England.....	do.....	6,048,555	1,754		1		7	16	36	53	42
Lyons.....	Apr. 27....	438,077	199								
Madrid.....	Apr. 28....	482,816	453					8	1	1	95
Magdeburg.....	Mar. 16....	223,959	13							7	
Manchester.....	Apr. 27....	522,365	271					2	1	5	15
Do.....	May 4....	522,365	236					2	3	1	11
Mannheim.....	Apr. 27....	88,000	32								
Maracaibo.....	do.....	42,000	20								
Do.....	May 4....	42,000	19								
Matamoras.....	May 10....	8,000	11								1
Mayence.....	Apr. 27....	72,281	36						1		
Do.....	May 4....	72,281	30								2
Melbourne.....	Apr. 6....	1,140,405						3		2	
Messina.....	Apr. 27....	87,500	29					2	1		
Do.....	May 4....	87,500	21					1	2		
Monte Christy.....	May 10....	12,000	2								
Moscow.....	Apr. 27....	800,000	507				3		3	9	7
Munich.....	do.....	396,000	176						2	5	
Newcastle on Tyne.....	May 4....	207,021	76						1	1	3
Nogales.....	May 11....	1,500	0								
Nuremberg.....	Apr. 20....	162,628	74								4
Odessa.....	Apr. 27....	324,000	156								2
Paso del Norte.....	May 4....	8,000	5					1	1		
Plymouth.....	do.....	86,781	28								4
Prague.....	Apr. 27....	194,132	136					4			
Puerto Cortez.....	May 8....	1,500	0								
Queenstown.....	May 4....	15,000	4								
Rome.....	Mar. 16....	463,786	279							1	1
Rotterdam.....	May 4....	272,042	98		3						
St. Georges.....	do.....	15,013	0								
St. Petersburg.....	Apr. 27....	1,100,000	621			2		13	15	8	5
St. Stephens.....	May 11....	2,700	1								
Sagua la Grande.....	do.....	17,536	12								
San Juan del Norte.....	Apr. 20....	1,280	0								
Do.....	Apr. 27....	1,280	0								
San Pedro, Honduras.....	May 4....	3,800	0								
Schiedam.....	do.....	25,953	11								
Sheffield.....	do.....	343,128	121					1		2	4
Sonneberg.....	Apr. 21....	12,000	5								
Southampton.....	May 4....	67,913	23								
South Shields.....	do.....	89,904	37								2
Stettin.....	Apr. 27....	133,000	54					1			
Stuttgart.....	May 2....	139,659	44							2	
Sunderland.....	May 4....	137,705	41					1			
Trieste.....	Apr. 27....	158,314	101								
Tuxpan.....	do.....	10,280	6							8	
Do.....	May 4....	10,280	4								1
Vera Cruz.....	May 9....	25,500	37		3		6				
Warsaw.....	Apr. 20....	515,654	179			1					1
Do.....	Apr. 27....	515,654	188					3	4	2	1
Winnipeg.....	May 13....	37,062	9								
Yokohama.....	Mar. 27....	126,685								1	
Zurich.....	Apr. 20....	127,000	49								
Do.....	Apr. 27....	127,000	43							1	

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Supervising Surgeon-General Marine-Hospital Service.